

For Research Use Only

# HSPA1L Monoclonal antibody

Catalog Number: 66780-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66780-1-Ig	<b>GenBank Accession Number:</b> BC034483	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2400 ug/ml by 3305 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3305	<b>CloneNo.:</b> 3E7H2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P34931	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Full Name:</b> heat shock 70kDa protein 1-like	
<b>Immunogen Catalog Number:</b> AG5182	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells, L02 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells IHC : mouse testis tissue, IF/ICC : HeLa cells,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> Human, Mouse, Rat	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

HSPA1L (Hsp70-like protein 1, also known as HSP70-hom) is a member of Hsp70 family of heat shock proteins. Recently it has been reported that HSPA1L can interact with TLR4, activate dendritic cells and induce Th1 Response. This antibody well recognizes the endogenous HSPA1L protein in multiple cell lines. (21730052)

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenqian Zhao	38553831	J Cachexia Sarcopenia Muscle	IF

## Storage

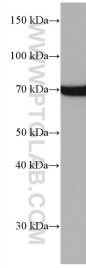
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

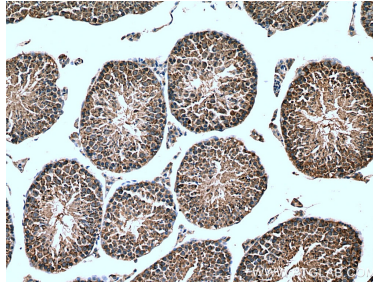
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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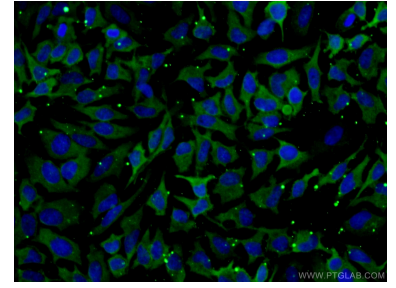
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 66780-1-Ig (HSPA1L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66780-1-Ig (HSPA1L antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66780-1-Ig (HSPA1L antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).